

Fanshawe College

## FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

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Documentation (Approvals etc...)

Information Security Management

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2015

### ISM1 Curriculum Modification for 2015-16

Fanshawe College

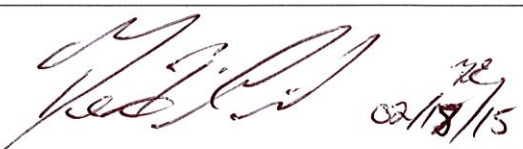

Follow this and additional works at: [https://first.fanshawec.ca/cae\\_infotech\\_infosecuritymgmt\\_documentation](https://first.fanshawec.ca/cae_infotech_infosecuritymgmt_documentation)

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# DEGREE AUDIT CHANGE FORM

## COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

### Program Requiring Changes

Program Title: Information Security Management		
Program Number: ISM1	Date Submitted: 2/17/2015	
Dean responsible for program: David Belford	Chair: Jim Edwards	
Credential Provided: <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ont. College Certificate <input type="checkbox"/> Diploma <input type="checkbox"/> Adv. Diploma <input checked="" type="checkbox"/> Grad Cert <input type="checkbox"/> Degree		
Program Intakes: <input type="checkbox"/> F <input type="checkbox"/> W <input type="checkbox"/> S   Other:	Catalogue Year(s) Impacted: 20156	
Residency Requirement: <input type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: <a href="#">Click here to enter a date.</a>	
<i>I have read the reasons for the change and...</i>		<i>Signature and date</i>
Dean of Faculty (responsible for program):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Dean of Faculty (impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Dean of Faculty (impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Associate Vice President Academic (required for major changes and late DAs):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 02/18/15
Director, Centre for Academic Excellence:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	 Feb 17/15
Office of the Registrar:	<input type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	

## Degree Audit Report

Catalog: 2015/2016

Program: ISM1

Name: Information Security Management

Department: ITY - Information Technology

Academic Level: PS

CCD: 7 - 2AcadSem/600-700 hrs

Credential: Ontario College Graduate Cert

Grade Scheme: LG2

Major: ISM1 - Information Security Mgmt

Div: ITY - Information Technology Division

Co-Op Indicator: N/A

## Academic Program Requirement

Total Credits: 43.00

Residency Reqmt: 11.00

GPA Requirement: 2.000

Residency Reqmt GPA: 2.000

Minimum Grade: D

## Academic Requirement: ISM1.15 Information Security Management

Major: ISM1

Grade Scheme: LG2

Minimum GPA: 2.000

Minimum Grade:

## Subrequirement: Level 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
INFO-6001	Information Security	60.00	4.00	
INFO-6002	Network Systems & Components	45.00	3.00	
INFO-6003	O/S & Applications Security	60.00	4.00	
INFO-6026	Security Programming	45.00	3.00	
INFO-6027	Security Planning	45.00	3.00	
INFO-6047	Routing & Switching	75.00	5.00	

## Subrequirement: Level 2

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
INFO-6048	CCNA Security	75.00	5.00	
INFO-6008	I.T. Auditing	45.00	3.00	
INFO-6009	Network Monitoring & Penetration Testing	45.00	3.00	
INFO-6010	CISSP Prep	45.00	3.00	
INFO-6012	<del>Hacking &amp; Exploits</del>	60.00	4.00	
INFO-6004	Strategic IT	45.00	3.00	

## Subrequirement: Program Residency

Students Must Complete a Minimum of 11 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

Approved By Chair/Manager:

Department and Date:

*AW Edm*  
*Chair/Manager*

*Feb 11/15*  
*Feb. 12/15*

*you*  
*ETHICAL HACKING & EXPLOIT DETECTION*  
*02/13/15*

**Degree Audit Report**

Approved by Dean:

Date:

\_\_\_\_\_  
General Education Approved By(as appropriate):

\_\_\_\_\_  
Date:

## Belford, David

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**From:** Gedies, Tracy  
**Sent:** Wednesday, February 11, 2015 4:51 PM  
**To:** Belford, David  
**Subject:** RE: ISM Late degree audit change

Hi David,

Can you send a DA with the proposed change noted on the DA? I'll add your email communication to it and discuss with Ben.

Thanks.

*Tracy Gedies, Ed. D.*  
*Director*  
*Centre for Academic Excellence*  
*Quality through Collaboration*

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**From:** Belford, David  
**Sent:** Monday, February 09, 2015 8:27 PM  
**To:** Gedies, Tracy  
**Subject:** FW: ISM Late degree audit change

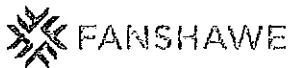
Hi Tracy

Please see below. I agree with this change, which is only a change in the course title. Could we make it now based on these emails without too much additional paperwork?

Thanks.

**David Belford, MBA, MEd**  
Dean

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[dbelford@fanshawec.ca](mailto:dbelford@fanshawec.ca)  
[www.fanshawec.ca](http://www.fanshawec.ca)



**From:** Edwards, Jim  
**Sent:** Monday, February 09, 2015 5:56 PM  
**To:** Belford, David  
**Subject:** ISM Late degree audit change

David

I would like to propose a late degree audit change for the Information Security Management Program. Specifically, I would like to change the name of INFO-6012 from **Hacking and Exploits** to **Ethical Hacking and Exploit Detection**. This change is proposed as a means of risk management for the College and the School of IT.

The Hacking and Exploits course here at the School of IT teaches students how to recognize information security concerns by demonstrating the actual exploits in a forensic manner. This experiential approach teaches the students what to look for and how to resolve such exposures. By way of example, curriculum was updated to include the Heartbleed vulnerability that was disclosed in April 2014. This bug gave hackers the ability to obtain passwords and logins from unpatched websites. The Canadian Revenue Agency is just one of many organizations that were attacked.

As we educate our students how to protect Information Systems from these vulnerabilities, it is important as a college that we manage the risk of students using their Hacking skills in an unwanted way. I would suggest that we rename the course from *Hacking and Exploits* to *Ethical Hacking and Exploit Detection*. This new course name would serve the college better, should we ever need to explain to a media source that we taught Ethical Hacking as opposed to simply Hacking.

No other attributes of the course (name, number nor content) are subject to this change request, simply the course title.

For your consideration

**James W. Edwards, MBA, MScIS**  
Chair, School of Information Technology

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